



# HO SD45-2 Diesel Locomotive

Announced 7.26.19  
Orders Due: 8.30.19

ETA: January 2020

## Santa Fe

### NEW FEATURES:

- All-new LED lighting
- Rubber MU hoses for durability
- Models equipped with DCC+Sound will have the **new 645E3 20-cylinder** prime mover recording by SoundTraxx

**NOW EQUIPPED WITH:  
LEDs, & RUBBER MU HOSES**



Photo: Paul Wester

**NEW!**  
**SANTA FE  
VARIANT**



Era: 1984+

### Without Sound

ATHG86127	HO SD45-2, SF Freight #5833
ATHG86128	HO SD45-2, SF Freight #5838
ATHG86129	HO SD45-2, SF Freight #5840
ATHG86130	HO SD45-2, SF Freight #5851

### With Sound

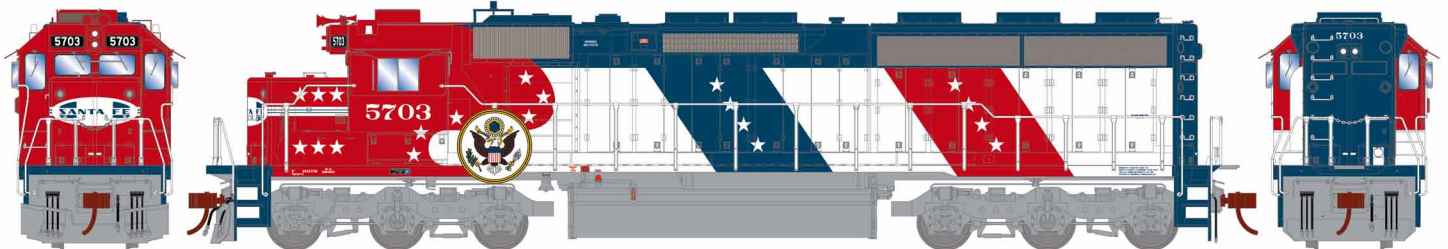
ATHG86227	HO SD45-2 w/DCC & Sound, SF Freight #5833
ATHG86228	HO SD45-2 w/DCC & Sound, SF Freight #5838
ATHG86229	HO SD45-2 w/DCC & Sound, SF Freight #5840
ATHG86230	HO SD45-2 w/DCC & Sound, SF Freight #5851

### ATSF SD45-2U FEATURES:

- First time offered rebuilt 5800 class
- Illuminated Stratolite beacon on stand, effect with DCC+Sound
- Leslie S3LR air horn on tall bracket
- EMD small style snow plow
- Sinclair antenna on antenna plane
- "Chickenwire" radiator grilles
- ATSF style spare knuckles on trucks (engineer's side)

### ATSF BICENTENNIAL FEATURES:

- Plaques on handrails
- Illuminated cab mounted dual clear strobes, effect DCC+Sound
- Large anticlimber per prototype
- Air conditioner
- Can-type radio antenna on ground plane
- Leslie S3LR air horn on tall bracket
- Stratolite beacon bracket without hole



Era: 1975+

### Without Sound

ATHG86100	HO SD45-2, SF/Bicentennial #5703
ATHG86101	HO SD45-2, SF/Bicentennial #5704

### With Sound

Existing Pre-Orders Carry Over	ATHG86200	HO SD45-2 w/DCC & Sound, SF/Bicentennial #5703
	ATHG86201	HO SD45-2 w/DCC & Sound, SF/Bicentennial #5704

**w/o Sound \$209.98<sub>SRP</sub> With *tsunami* 2 Sound \$299.98<sub>SRP</sub>**

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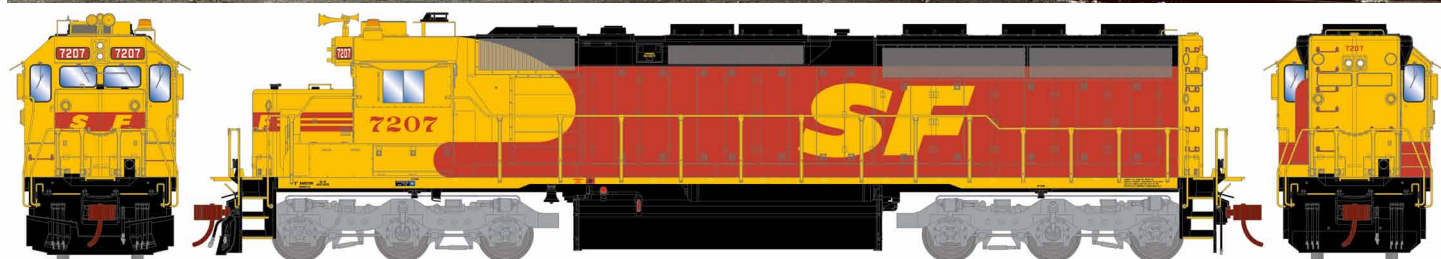
## Santa Fe

**UPDATE**

- Updated artwork matching prototype



Photo: Paul Wester



Era: 1984-1986

### Without Sound

ATHG86102	HO SD45-2, SF Kodachrome #7203	Existing Pre-Orders Carry Over
ATHG86103	HO SD45-2, SF Kodachrome #7208	
ATHG86104	HO SD45-2, SF Kodachrome #7207	
ATHG86105	HO SD45-2, SF Kodachrome #7213	

### With Sound

ATHG86202	HO SD45-2 w/DCC & Sound, SF Kodachrome #7203
ATHG86203	HO SD45-2 w/DCC & Sound, SF Kodachrome #7208
ATHG86204	HO SD45-2 w/DCC & Sound, SF Kodachrome #7207
ATHG86205	HO SD45-2 w/DCC & Sound, SF Kodachrome #7213

### ATSF FEATURES:

- Illuminated Stratolite beacon on stand, effect with DCC+Sound
- EMD small style snow plow
- Sinclair antenna on antenna plane
- Leslie S3LR air horn on tall bracket
- Red numberboards
- Large anticlimber
- Air conditioner
- "Chickenwire" radiator grilles
- ATSF style spare knuckles on trucks (engineer's side)
- SPSF assigned 7200 series road numbers pre 1986

- #7203, 7208, 7213:
- Large Anticlimber
- #7207:
- No Anticlimber

## Southern Pacific Santa Fe



Era: 1984+

### Without Sound

ATHG86106	HO SD45-2, SPSF #7219	Existing Pre-Orders Carry Over
ATHG86107	HO SD45-2, SPSF #7221	

### With Sound

ATHG86206	HO SD45-2 w/DCC & Sound, SPSF #7219
ATHG86207	HO SD45-2 w/DCC & Sound, SPSF #7221

### SPSF FEATURES:

- First time offered full SPSF merger "Kodachrome"
- Illuminated Stratolite beacon on stand, effect with DCC+Sound
- Leslie S3LR air horn on tall bracket
- EMD small style snow plow
- Sinclair antenna on antenna plane
- "Chickenwire" radiator grilles
- ATSF style spare knuckles on trucks (engineer's side)

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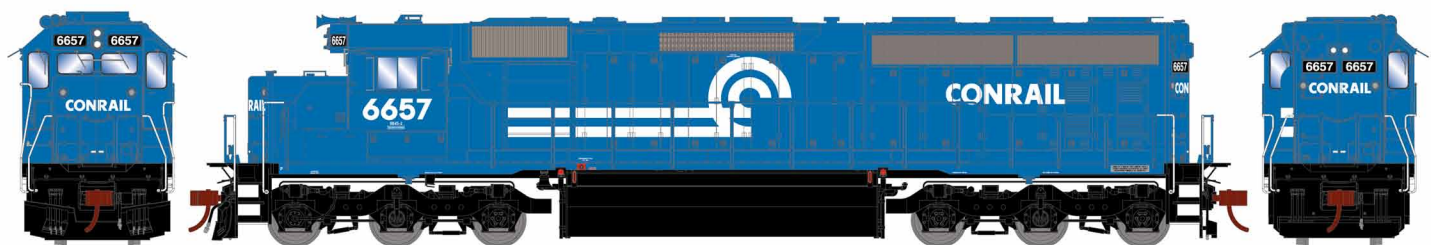
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# HO SD45-2 Diesel Locomotive

## Conrail

Announced 7.26.19  
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Era: Early 1980s+

### Without Sound

- ATHG86124 HO SD45-2, CR Blue Early #6657
- ATHG86125 HO SD45-2, CR Blue Early #6663
- ATHG86126 HO SD45-2, CR Blue Early #6665

### With Sound

- ATHG86224 HO SD45-2 w/DCC & Sound, CR Blue Early #6657
- ATHG86225 HO SD45-2 w/DCC & Sound, CR Blue Early #6663
- ATHG86226 HO SD45-2 w/DCC & Sound, CR Blue Early #6665

### CR FEATURES:

- Brand new road numbers 6657 & 6663
- Cab signal box engineer side
- Cab armrests
- Mirrors/Windwings per prototype
- Low profile Fans, dustbin, exhaust, dynamic brake vent
- Low profile bracket mounted S3LR
- 5000 gallon fuel tank
- Hood side vents per prototype



Era: Late 1970s+

### Primed for Grime

### Without Sound

- ATHG86111 HO SD45-2, CR ex EL #6661
- ATHG86112 HO SD45-2, CR ex EL #6662
- ATHG86113 HO SD45-2, CR ex EL #6666

Existing Pre-Orders  
 Carry Over

### With Sound

- ATHG86211 HO SD45-2 w/DCC & Sound, CR ex EL #6661
- ATHG86212 HO SD45-2 w/DCC & Sound, CR ex EL #6662
- ATHG86213 HO SD45-2 w/DCC & Sound, CR ex EL #6666

### CR ex EL FEATURES:

- Former Erie Lackawanna with Conrail road numbers & reporting marks
- Cab signal box engineer side
- Cab armrests/Mirrors/Windwings per prototype
- Low profile Fans, dustbin, exhaust, dynamic brake vent
- Low profile bracket mounted S3LR
- 5000 gallon fuel tank
- Hood side vents per prototype
- Faded paint colors
- Different placement and style of CR logos per prototype road number

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## Erie Lackawanna

**UPDATE**

- Updated artwork matching prototype



Era: 1970s+

### Without Sound

ATHG86108	HO SD45-2, EL #3672	Existing Pre-Orders Carry Over
ATHG86109	HO SD45-2, EL #3676	
ATHG86110	HO SD45-2, EL #3680	

### With Sound

ATHG86208	HO SD45-2 w/DCC & Sound, EL #3672
ATHG86209	HO SD45-2 w/DCC & Sound, EL #3676
ATHG86210	HO SD45-2 w/DCC & Sound, EL #3680

### EL FEATURES:

- Cab armrests
- Mirrors/Windwings per prototype
- Low profile Fans, dustbin, exhaust, dynamic brake vent
- Low profile bracket mounted S3LR
- 5000 gallon fuel tank
- Hood side vents per prototype
- Small EMD snowplow
- Sinclair antenna

## Clinchfield



Era: Late 1970s+

### Without Sound

ATHG86114	HO SD45-2, CRR #3607	Existing Pre-Orders Carry Over
ATHG86115	HO SD45-2, CRR #3610	
ATHG86116	HO SD45-2, CRR #3615	

### With Sound

ATHG86214	HO SD45-2 w/DCC & Sound, CRR #3607
ATHG86215	HO SD45-2 w/DCC & Sound, CRR #3610
ATHG86216	HO SD45-2 w/DCC & Sound, CRR #3615

### CRR FEATURES:

- Windwings per prototype
- Cab mounted headlight
- Small anticlimber
- Standard height Inertial hatch, exhaust stack, fan housings
- Yellow numberboards
- Whip radio antenna
- Leslie S3LR air horn
- Long hood mounted bell

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## CSX

ETA: January 2020

**UPDATE**

• Updated artwork matching prototype contributed by Nick O'Dell



Photo: Kevin R Josche - Fort Smith Trolley Museum fstm.org



Era: 1986+

### Without Sound

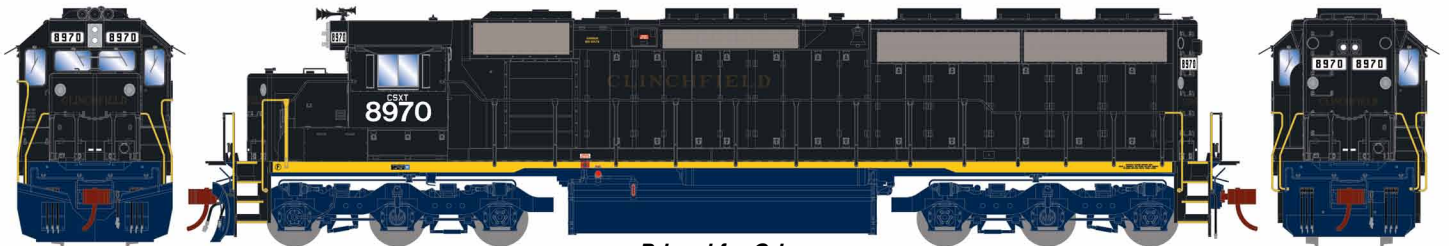
ATHG86119	HO SD45-2, CSX Solid Grey #8950	Existing Pre-Orders Carry Over
ATHG86120	HO SD45-2, CSX Solid Grey #8951	

### With Sound

ATHG86219	HO SD45-2 w/DCC & Sound, CSX Solid Grey #8950
ATHG86220	HO SD45-2 w/DCC & Sound, CSX Solid Grey #8951

### CSX FEATURES:

- EMD large style snow plow
- Firecracker antenna
- Leslie RS5L horn air horn
- Nose mounted headlight
- Small anticlimber
- "Chickenwire" radiator grilles



*Primed for Grime*

Era: 1985+

### Without Sound

ATHG86117	HO SD45-2, CSX ex CRR #8970	Existing Pre-Orders Carry Over
ATHG86118	HO SD45-2, CSX ex CRR #8978	

### With Sound

ATHG86217	HO SD45-2 w/DCC & Sound, CSX ex CRR #8970
ATHG86218	HO SD45-2 w/DCC & Sound, CSX ex CRR #8978

### CSX ex CRR FEATURES:

- Patched per road number, ex- Clinchfield units
- Cab mounted headlight
- Small anticlimber
- Standard height Intertial hatch, exhaust stack, fan housings
- Whip radio antenna
- Leslie RS5L horn air horn
- Long hood mounted bell

#8970:

- Underframe painted CSX blue
- "Ghosted" Clinchfield lettering on long hood

#8978:

- Intact Clinchfield lettering on long hood
- Faded / primer paint on fuel tank

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## Helm Leasing

**UPDATE**

- Updated artwork matching prototype

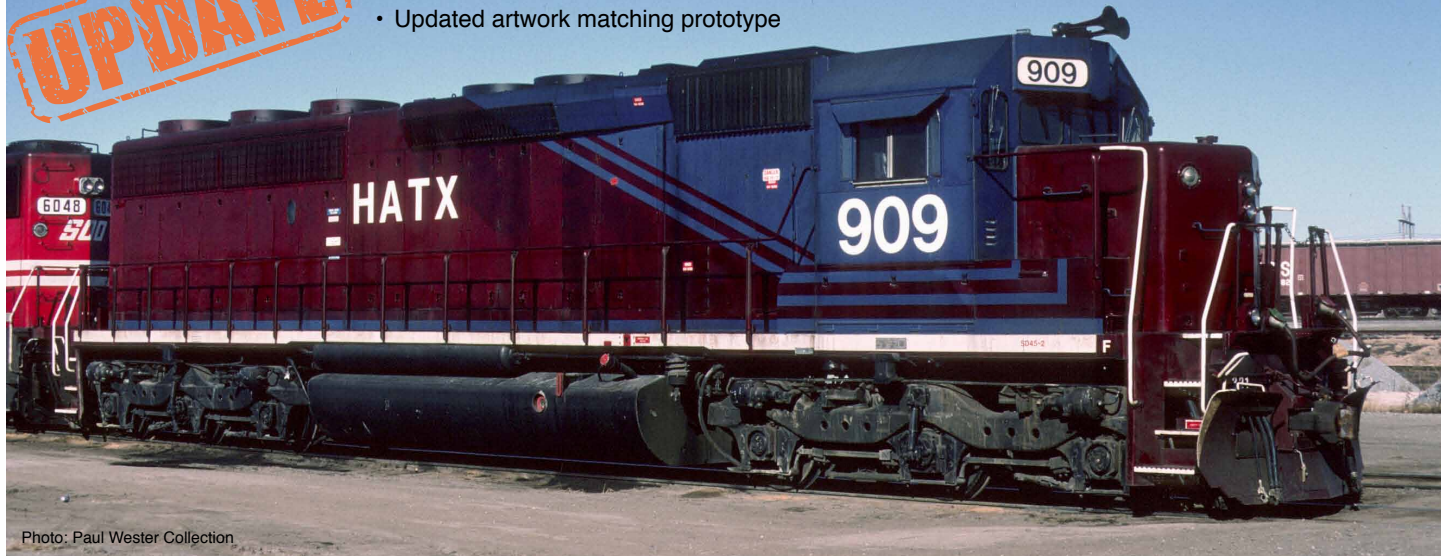
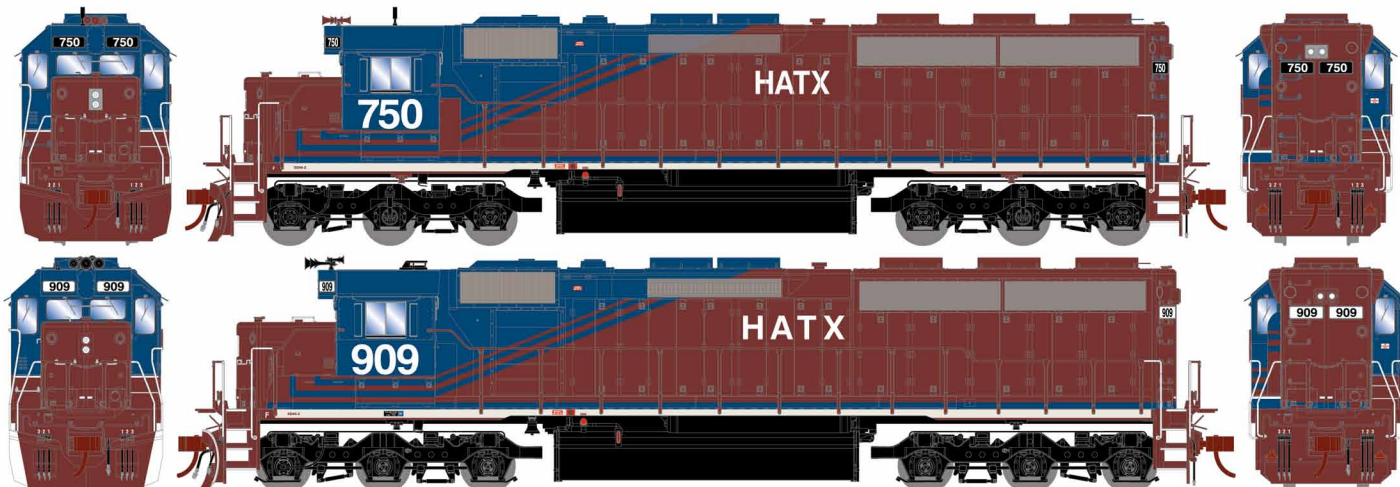


Photo: Paul Wester Collection



Era: Late 1980s+

### Without Sound

ATHG86121	HO SD45-2, HATX Helm Lease #750	Existing Pre-Orders Carry Over
ATHG86122	HO SD45-2, HATX Helm Lease #909	
ATHG86123	HO SD45-2, HATX Helm Lease #910	

### With Sound

ATHG86221	HO SD45-2 w/DCC & Sound, HATX Helm Lease #750
ATHG86222	HO SD45-2 w/DCC & Sound, HATX Helm Lease #909
ATHG86223	HO SD45-2 w/DCC & Sound, HATX Helm Lease #910

### HATX FEATURES:

- Windwings per prototype
- Nose mounted headlight
- Small anticlimber
- Standard height Intertial hatch, exhaust stack, fan housings
- Black or white numberboards per prototype
- Firecracker or Sinclair antenna per prototype
- 3-or-5 chime horn per prototype
- Frame mounted bell
- Commonly used in lease service starting in the late 1980s. Railroads would lease locomotives during power shortages and traffic upturns. These particular units were leased to several eastern roads including Soo Line, Grand Trunk Western and CSX.

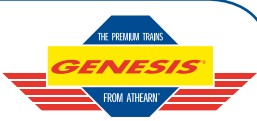


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## All Road Names

### SOUND EQUIPPED MODELS ALSO FEATURE:

- Onboard DCC decoder with SoundTraxx Tsunami2
- Sound units operate in both DC and DCC
- Some functions are limited in DC
- Engine, horn, and bell sounds work in DC
- All functions NMRA compatible in DCC mode
- Slow speed control
- Program a multiple unit (MU) lashup with lead unit only horn, bell, and lights
- Many functions can be altered via Configuration Value (CV) changes
- CV chart included in operators manual
- For a complete list of features, visit [athearn.com](http://athearn.com)

### PRIMED FOR GRIME MODELS FEATURE:

- Duplicated look and feel of "In Service" equipment; "Tattered and Torn" just like the real thing
- Faded base colors matched to the prototype
- Patches applied and shaped per road number matching each corresponding side to the prototype
- Perfect starting point for adding grime and rust



#Ready2Rust

### PROTOTYPE INFO:

The SD45-2 was an initial success; it was a complete improvement or upgrade as part of EMD's "Dash 2" line; it had little to almost absolutely no flaws during the early stages of production and during the model's official introduction. It was both popular and compatible with the original SD45 as well, with it's large 20-cylinder engine. The SD45-2 lasted somewhat longer than most SD45 units on various owners roster's.

### LOCOMOTIVE FEATURES:

- Safety tread on walkways
- Fine-scale handrails for scale appearance
- Factory applied wire grab irons
- Windshield wipers
- See through cab windows
- Detailed and painted cab interior
- Sliding side cab windows
- Metal lift rings
- Fully-assembled and ready-to-run
- DCC-ready features Quick Plug™ plug-and-play technology with a 21-pin NEM connector
- Scaled from prototype resources including drawings, photographs, and more
- Accurately painted and printed paint schemes
- Body mounted McHenry operating scale knuckle couplers
- Genesis driveline with 5-pole skew wound motor, precision machined flywheels, and multi-link drivetrain for trouble free operation
- All-wheel drive with precision gears for smooth and quiet operation
- All-wheel electrical pickup provides reliable current flow
- Wheels with RP25 contours operate on all popular brands of track
- New LEDs for trouble free operation
- Bi-directional constant lighting so headlight brightness remains constant
- Heavy die-cast frame for greater traction and more pulling power
- Packaging securely holds for the model for safe storage
- Minimum radius: 18"
- Recommended radius: 22"



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